

ABSTRACT

A variable venturi-type carburetor has a base defining a central channel having an upper inlet end and a lower outlet end. A variable venturi assembly is situated in the middle of the central channel. The variable venturi assembly has a support, a conical body, and a resilient member. The support is fixed in the base, the bottom of the conical body is movably connected to the support, the surface of the conical body and the base define a venturi throat and the resilient member is situated between the support and the conical body. A fuel reservoir is provided in the base. A path structure connects the fuel reservoir and the venturi throat. A cam control mechanism is also part of the venturi assembly.